

## Abstract

A system for filtering fluids and the filter used in the system.

5 This system comprises a plant formed by membrane filters and in which the fluid to be filtered is fed into the plant first with the flow in a given direction and then fed into the same plant with the flow in the opposite direction. The plant comprises valves which regulate the flow of the fluid supplied, and which mix the fluid flow supplied to the plant which is from different points of same. The filters of the plant are directly connected to each other without the need for  
10 external piping. The filter used in this system has a structure which allows flow reversal.